

13: After attending today's session, how likely are you to:

Select one	Very likely	Somewhat likely	Neither likely nor unlikely	Somewhat unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Share what I learned about NWS products today with others.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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14: Please rate your agreement with the following statements about the focus group. Please check ONE box for each statement.

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15: Beyond the questions asked today, what else would be important to know about how you gather NWS information about flood risks and your intended actions?

Public Site -

16: Was anything in the session confusing? If yes, please explain.

VAGUE GOAL

17: What improvements could be made in the format or content of this session?

STATE EXACTLY & PRECISELY TOPIC + GOAL

Thank you for participating!

7: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Flood Inundation Mapping.

Not at all useful 1 2 3 4 5 Extremely useful

NWM FIM between Vestal and Owego, NY
Tropical Depression



- The full extent National Water Model FIM shows flooding along smaller streams and tributaries as well as the Susquehanna River
- These FIM services may be useful for filling in gaps between river gages where RFC FIM and partner FIM (AHPS) does not exist.
- In this event, Susquehanna River flooding is expected to continue downstream near Apalachin, NY with the Narischoke and Apalachin Creeks also showing inundation.

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CatFIM near Vestal and Endicott
Tropical Depression

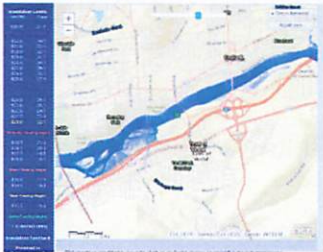


- Comparing CatFIM
- This map shows the extent of Moderate flooding (red) and Major flooding (purple) levels.
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Partner (AHPS) FIM - Vestal, NY
Tropical Depression



- Partner FIM (aka AHPS FIM) was developed through a multi-agency partnership and has been publicly available for numerous locations along the Susquehanna (including Conklin, Binghamton and Vestal) since 2008.
- Expected inundation when the Vestal gage reaches 22.1 feet is shown at left.
- This mapping is the "gold standard" and has the ability to show inundation by each foot of rise, and also shows expected inundation depth.

10: What changes might you recommend for these products?

11: What is the biggest barrier you face in using NWS precipitation and flood forecast products?

Simple Access From Cell phone

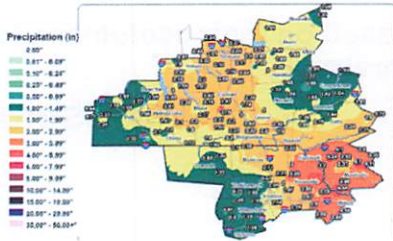
12: Do you prefer text-based or graphical/visual NWS products in trying to understand the potential for extreme precipitation and flooding?

Text-based Graphic-based Combination of both

4: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Expected Precipitation Amounts.

Not at all useful 1 2 3 4 5 Extremely useful

Expected Precipitation Amounts February 29, 2024 12:15 PM



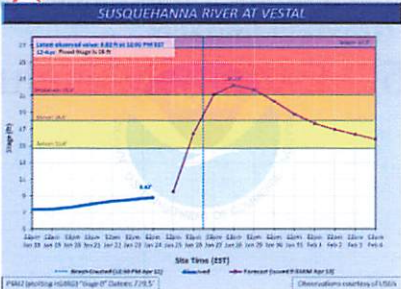
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- Flood Watch remains in effect for Broome County.

National Oceanic and Atmospheric Administration National Weather Service Binghamton, NY

5: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Hydrograph.

Not at all useful 1 2 3 4 5 Extremely useful

Expected River Flooding February 29, 2024 12:15 PM



- The Susquehanna River is expected to rise quickly tonight and tomorrow morning.
- At 22 feet, Moore Park in Vestal floods as well as parts of Davis Avenue, Shady Drive, Verdun Avenue and Fairmont in Endwell.
- Floodwaters will remain high for a few days.
- Watch for road closures and stay clear of the river banks.

National Oceanic and Atmospheric Administration National Weather Service Binghamton, NY

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Not at all useful 1 2 3 4 5 Extremely useful

RFC Forecast FIM for Vestal/Endwell, NY February 29, 2024 12:15 PM
Forecasts provided by the Middle Atlantic River Forecast Center



- The Susquehanna River is forecast to leave its banks at several locations in the Triple Cities area including near Vestal and Endicott and spread out to the extent shown in the map on the left.
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National Oceanic and Atmospheric Administration National Weather Service Binghamton, NY


Survey Questions - Post-Focus Group Session Survey (Residents)

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Not at all useful 1 2 3 4 5 Extremely useful

Situation Overview
Tropical Depression

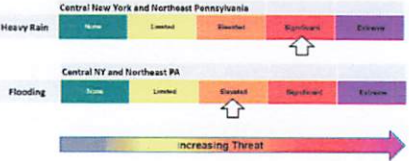


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- River flooding is most likely along the Susquehanna River from the headwaters to Waverly.

2: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. **Summary of Greatest Impacts.**

Not at all useful 1 2 3 4 5 Extremely useful

Summary of Greatest Impacts February 20, 2024 12:10 PM



Central New York and Northeast Pennsylvania

Heavy Rain: None, Limited, Elevated, Significant, Extreme

Central NY and Northeast PA

Flooding: None, Limited, Elevated, Significant, Extreme

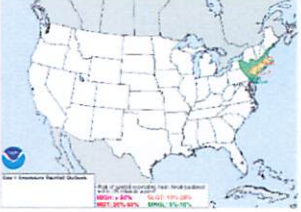
increasing Threat

National Oceanic and Atmospheric Administration National Weather Service Binghamton, NY

3: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. **Excessive Rainfall Outlook.**

Not at all useful 1 2 3 4 5 Extremely useful

Excessive Rainfall Outlook
Tropical Depression



- Areas highlighted in yellow have the greatest risk for flash (rapid-onset) flooding Tuesday-Wednesday night.
- Urban areas and faster-responding small streams will be the most vulnerable to flash flooding issues.

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None

16: Was anything in the session confusing? If yes, please explain.

No

17: What improvements could be made in the format or content of this session?

None

Thank you for participating!

7: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Flood Inundation Mapping.

Not at all useful 1 2 3 4 5 Extremely useful

NWM FIM between Vestal and Owego, NY
Tropical Depression



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- This mapping is the "gold standard" and has the ability to show inundation by each foot of rise, and also shows expected inundation depth.

10: What changes might you recommend for these products?

MORE USER FRIENDLY - ENTER ADDRESS FOR SPECIFIC INFO

11: What is the biggest barrier you face in using NWS precipitation and flood forecast products?

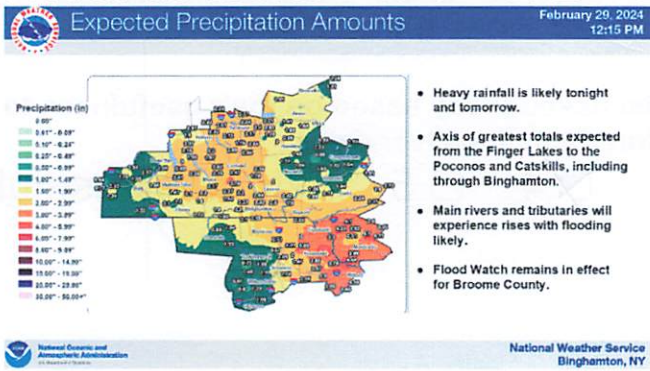
INTERNET DOWN

12: Do you prefer text-based or graphical/visual NWS products in trying to understand the potential for extreme precipitation and flooding?

Text-based Graphic-based Combination of both

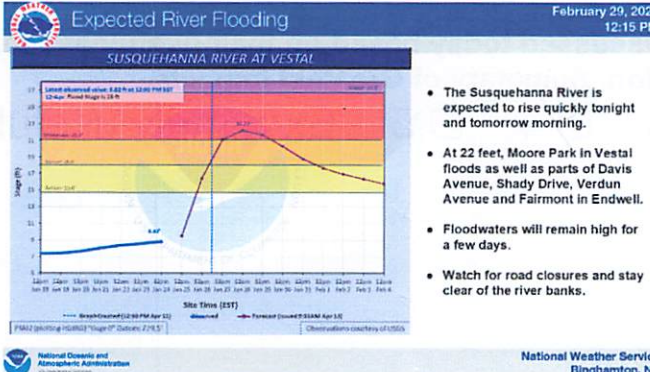
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Not at all useful 1 2 3 4 5 Extremely useful



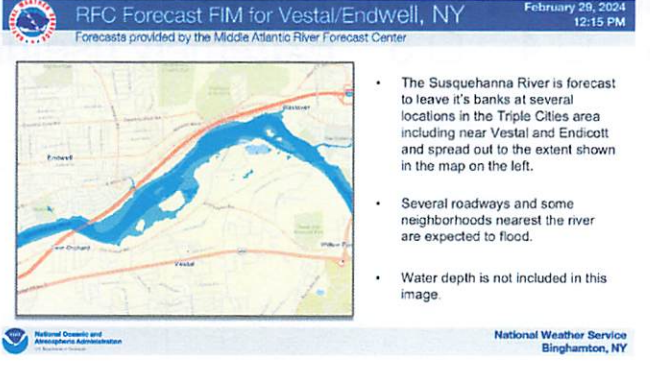
5: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Hydrograph.

Not at all useful 1 2 3 4 5 Extremely useful



6: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Flood Inundation Mapping.

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Situation Overview
Tropical Depression

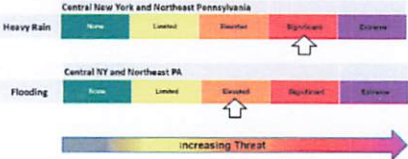


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Not at all useful 1 2 3 4 5 Extremely useful

Summary of Greatest Impacts
February 20, 2024 12:15 PM



Central New York and Northeast Pennsylvania

None	Limited	Elevated	Significant	Extreme
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Central NY and Northeast PA

None	Limited	Elevated	Significant	Extreme
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increasing Threat

National Oceanic and Atmospheric Administration | National Weather Service Binghamton, NY

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Not at all useful 1 2 3 4 5 Extremely useful

Excessive Rainfall Outlook
Tropical Depression



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15: Beyond the questions asked today, what else would be important to know about how you gather NWS information about flood risks and your intended actions?

Websites and apps

16: Was anything in the session confusing? If yes, please explain.

Nothing

17: What improvements could be made in the format or content of this session?

too many "chatty Cathy's". It made it difficult for everyone to fully participate in the discussions.

Thank you for participating!

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Stronger Colors

11: What is the biggest barrier you face in using NWS precipitation and flood forecast products?

not understanding terminology

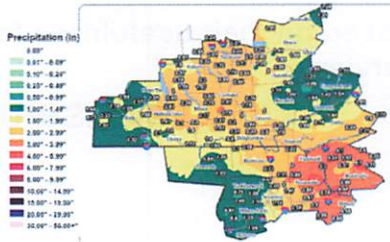
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 **Expected Precipitation Amounts** February 29, 2024 12:15 PM



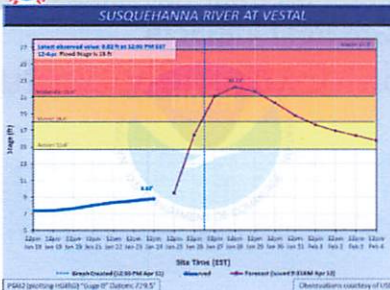
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 National Weather Service Binghamton, NY

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 **Expected River Flooding** February 29, 2024 12:15 PM



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Forecasts provided by the Middle Atlantic River Forecast Center



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Situation Overview



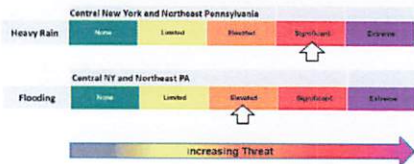
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Not at all useful 1 2 3 4 5 Extremely useful

Summary of Greatest Impacts

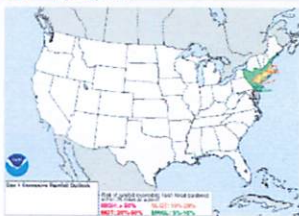


National Oceanic and Atmospheric Administration National Weather Service Binghamton, NY

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More flood river creek level gauges

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No

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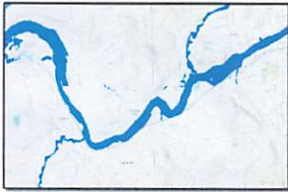
Make the stipend \$100

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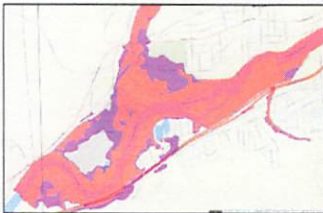


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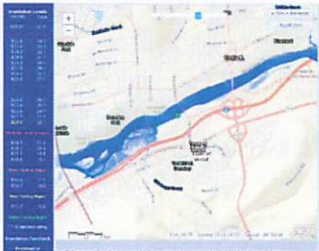


- Comparing CatFIM
- This map shows the extent of Moderate flooding (red) and Major flooding (purple) levels.
- While flooding tomorrow is not expected to be as extensive as a major flood, this map is useful to determine the best staging areas and evacuation routes if conditions become worse than the expected moderate flooding.

9: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Flood Inundation Mapping.

Not at all useful 1 2 3 4 5 Extremely useful

Partner (AHP's) FIM - Vestal, NY
Tropical Depression



- Partner FIM (aka AHP's FIM) was developed through a multi-agency partnership and has been publicly available for numerous locations along the Susquehanna (including Conklin, Binghamton and Vestal) since 2008.
- Expected inundation when the Vestal gage reaches 22.1 feet is shown at left.
- This mapping is the "gold standard" and has the ability to show inundation by each foot of rise, and also shows expected inundation depth.

10: What changes might you recommend for these products?

Eased sharing on multiple systems - phone - Facebook - internet

11: What is the biggest barrier you face in using NWS precipitation and flood forecast products?

Patience

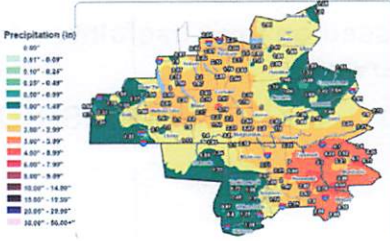
12: Do you prefer text-based or graphical/visual NWS products in trying to understand the potential for extreme precipitation and flooding?

Text-based Graphic-based Combination of both

4: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Expected Precipitation Amounts.

Not at all useful 1 2 3 4 5 Extremely useful

Expected Precipitation Amounts February 29, 2024 12:15 PM



- Heavy rainfall is likely tonight and tomorrow.
- Axis of greatest totals expected from the Finger Lakes to the Poconos and Catskills, including through Binghamton.
- Main rivers and tributaries will experience rises with flooding likely.
- Flood Watch remains in effect for Broome County.

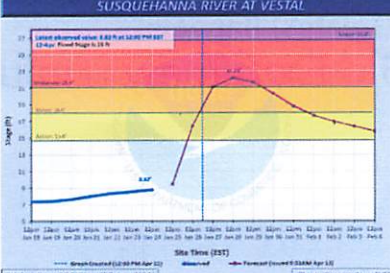
National Oceanic and Atmospheric Administration | National Weather Service Binghamton, NY

5: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Hydrograph.

Not at all useful 1 2 3 4 5 ~~X~~ Extremely useful

Expected River Flooding February 29, 2024 12:15 PM

SUSQUEHANNA RIVER AT VESTAL



- The Susquehanna River is expected to rise quickly tonight and tomorrow morning.
- At 22 feet, Moore Park in Vestal floods as well as parts of Davis Avenue, Shady Drive, Verdun Avenue and Fairmont in Endwell.
- Floodwaters will remain high for a few days.
- Watch for road closures and stay clear of the river banks.

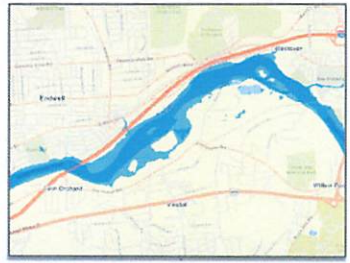
National Oceanic and Atmospheric Administration | National Weather Service Binghamton, NY

6: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Flood Inundation Mapping.

Not at all useful 1 2 3 4 5 Extremely useful

RFC Forecast FIM for Vestal/Endwell, NY February 29, 2024 12:15 PM

Forecasts provided by the Middle Atlantic River Forecast Center



- The Susquehanna River is forecast to leave its banks at several locations in the Triple Cities area including near Vestal and Endicott and spread out to the extent shown in the map on the left.
- Several roadways and some neighborhoods nearest the river are expected to flood.
- Water depth is not included in this image.

National Oceanic and Atmospheric Administration | National Weather Service Binghamton, NY


Survey Questions - Post-Focus Group Session Survey (Residents)

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1: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. **Situation Overview.**

Not at all useful 1 2 3 4 5 Extremely useful

Situation Overview
Tropical Depression

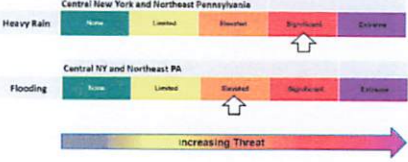


- Heavy rainfall will result in a considerable risk of **flash flooding** (rapid-onset) on Day
- Widespread rainfall totals of 2-4" are expected across central NY and northeast PA with locally higher amounts up to 6" possible.
- Several streams and creeks are expected to experience minor to moderate **river flooding** late Day into the next day.
- River flooding is most likely along the Susquehanna River from the headwaters to Waverly.

2: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. **Summary of Greatest Impacts.**

Not at all useful 1 2 3 4 5 Extremely useful

Summary of Greatest Impacts
February 23, 2024
12:15 PM



Central New York and Northeast Pennsylvania

Heavy Rain: None, Limited, Elevated, **Significant**, Extreme

Flooding: None, Limited, Elevated, **Moderate**, Extreme


Increasing Threat

National Oceanic and Atmospheric Administration | National Weather Service | Binghamton, NY

3: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. **Excessive Rainfall Outlook.**

Not at all useful 1 2 3 4 5 Extremely useful

Excessive Rainfall Outlook
Tropical Depression



- Areas highlighted in yellow have the greatest risk for flash (rapid-onset) flooding Tuesday-Wednesday night.
- Urban areas and faster-responding small streams will be the most vulnerable to flash flooding issues.

13: After attending today's session, how likely are you to:

Select one	Very likely	Somewhat likely	Neither likely nor unlikely	Somewhat unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Share what I learned about NWS products today with others.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seek NWS information about extreme weather risks.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use NWS products and information in your decision-making	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

14: Please rate your agreement with the following statements about the focus group. Please check ONE box for each statement.

Select one	Strongly agree	Agree	Neither agree nor disagree	Disagree	Strongly disagree
The information was clearly presented.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I felt comfortable voicing my opinion.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I know more about National Weather Service products.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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15: Beyond the questions asked today, what else would be important to know about how you gather NWS information about flood risks and your intended actions?

- N/A -

16: Was anything in the session confusing? If yes, please explain.

No

17: What improvements could be made in the format or content of this session?

The information and improvements was great

Thank you for participating!



7: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Flood Inundation Mapping.

Not at all useful 1 2 3 4 5 Extremely useful

NWM FIM between Vestal and Owego, NY



- The full extent National Water Model FIM shows flooding along smaller streams and tributaries as well as the Susquehanna River
- These FIM services may be useful for filling in gaps between river gages where RFC FIM and partner FIM (AHPs) does not exist.
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8: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Flood Inundation Mapping.

Not at all useful 1 2 3 4 5 Extremely useful

CatFIM near Vestal and Endicott



- Comparing CatFIM
- This map shows the extent of Moderate flooding (red) and Major flooding (purple) levels.
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- Expected inundation when the Vestal gage reaches 22.1 feet is shown at left.
- This mapping is the "gold standard" and has the ability to show inundation by each foot of rise, and also shows expected inundation depth.

10: What changes might you recommend for these products?

Name streets that might get flooded

11: What is the biggest barrier you face in using NWS precipitation and flood forecast products?

N/A

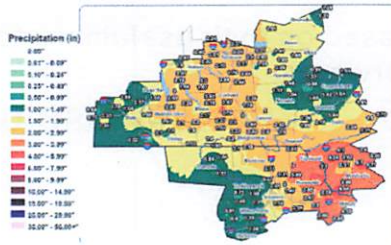
12: Do you prefer text-based or graphical/visual NWS products in trying to understand the potential for extreme precipitation and flooding?

Text-based Graphic-based Combination of both

4: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Expected Precipitation Amounts.

Not at all useful 1 2 3 4 5 Extremely useful

Expected Precipitation Amounts February 29, 2024 12:15 PM



- Heavy rainfall is likely tonight and tomorrow.
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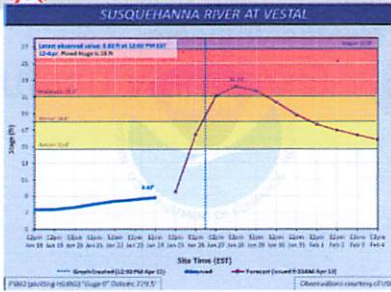
National Oceanic and Atmospheric Administration

National Weather Service Binghamton, NY

5: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Hydrograph.

Not at all useful 1 2 3 4 5 Extremely useful

Expected River Flooding February 29, 2024 12:15 PM



- The Susquehanna River is expected to rise quickly tonight and tomorrow morning.
- At 22 feet, Moore Park in Vestal floods as well as parts of Davis Avenue, Shady Drive, Verdun Avenue and Fairmont in Endwell.
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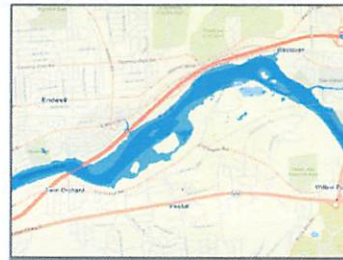
National Oceanic and Atmospheric Administration

National Weather Service Binghamton, NY

6: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Flood Inundation Mapping.

Not at all useful 1 2 3 4 5 Extremely useful

RFC Forecast FIM for Vestal/Endwell, NY February 29, 2024 12:15 PM



- The Susquehanna River is forecast to leave its banks at several locations in the Triple Cities area including near Vestal and Endicott and spread out to the extent shown in the map on the left.
- Several roadways and some neighborhoods nearest the river are expected to flood.
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National Oceanic and Atmospheric Administration

National Weather Service Binghamton, NY


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1: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Situation Overview.

Not at all useful 1 2 3 4 5 Extremely useful

Situation Overview
Tropical Depression

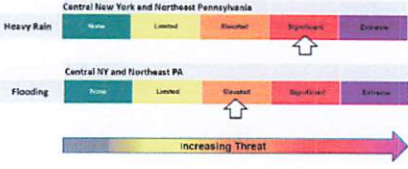


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- River flooding is most likely along the Susquehanna River from the headwaters to Waverly.

2: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Summary of Greatest Impacts.

Not at all useful 1 2 3 4 5 Extremely useful

Summary of Greatest Impacts
February 29, 2024 12:15 PM



Central New York and Northeast Pennsylvania

Heavy Rain: None, Limited, Elevated, Significant, Extreme

Central NY and Northeast PA

Flooding: None, Limited, Elevated, Significant, Extreme


increasing Threat

National Oceanic and Atmospheric Administration | National Weather Service | Binghamton, NY

3: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Excessive Rainfall Outlook.

Not at all useful 1 2 3 4 5 Extremely useful

Excessive Rainfall Outlook
Tropical Depression



- Areas highlighted in yellow have the greatest risk for flash (rapid-onset) flooding Tuesday-Wednesday night.
- Urban areas and faster-responding small streams will be the most vulnerable to flash flooding issues.

13: After attending today's session, how likely are you to:

Select one	Very likely	Somewhat likely	Neither likely nor unlikely	Somewhat unlikely	Unlikely
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15: Beyond the questions asked today, what else would be important to know about how you gather NWS information about flood risks and your intended actions?

Information gathering would be so much easier with

16: Was anything in the session confusing? If yes, please explain.

a nationwide app.

No

17: What improvements could be made in the format or content of this session?

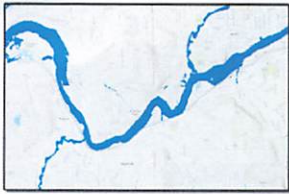
No improvements needed ☺

Thank you for participating!

7: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Flood Inundation Mapping.

Not at all useful 1 2 3 4 5 Extremely useful

NWM FIM between Vestal and Owego, NY



- The full extent National Water Model FIM shows flooding along smaller streams and tributaries as well as the Susquehanna River
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Not at all useful 1 2 3 4 5 Extremely useful

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- Comparing CatFIM
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10: What changes might you recommend for these products?

They should be easier to access.

11: What is the biggest barrier you face in using NWS precipitation and flood forecast products?

Probably that I am not very tech savvy.

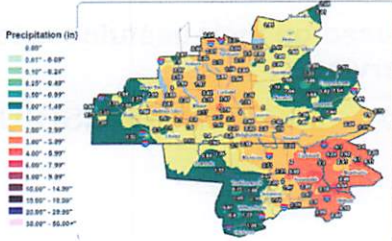
12: Do you prefer text-based or graphical/visual NWS products in trying to understand the potential for extreme precipitation and flooding?

Text-based Graphic-based Combination of both

4: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Expected Precipitation Amounts.

Not at all useful 1 2 3 4 5 Extremely useful

Expected Precipitation Amounts February 29, 2024 12:15 PM

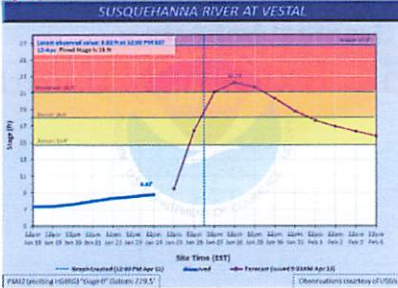


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Not at all useful 1 2 3 4 5 Extremely useful

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- Floodwaters will remain high for a few days.
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Not at all useful 1 2 3 4 5 Extremely useful

RFC Forecast FIM for Vestal/Endwell, NY February 29, 2024 12:15 PM
Forecasts provided by the Middle Atlantic River Forecast Center



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Not at all useful 1 2 3 4 5 Extremely useful

Situation Overview



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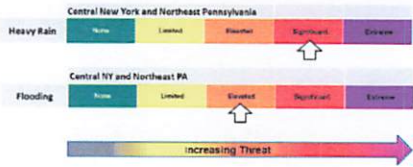


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- River flooding is most likely along the Susquehanna River from the headwaters to Waverly.

2: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. **Summary of Greatest Impacts.**

Not at all useful 1 2 3 4 5 Extremely useful

Summary of Greatest Impacts

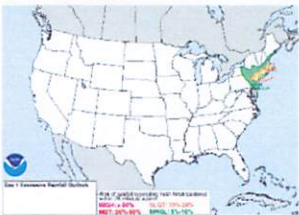


National Weather Service
Binghamton, NY

3: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. **Excessive Rainfall Outlook.**

Not at all useful 1 2 3 4 5 Extremely useful

Excessive Rainfall Outlook



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15: Beyond the questions asked today, what else would be important to know about how you gather NWS information about flood risks and your intended actions?

how often models/maps are updated (ex., in real time is esp. helpful)

16: Was anything in the session confusing? If yes, please explain.

no (only answering pre-session question on FIMS v)

17: What improvements could be made in the format or content of this session?

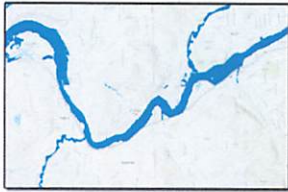
I thought they did a great job — thank you!!

Thank you for participating!

7: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Flood Inundation Mapping.

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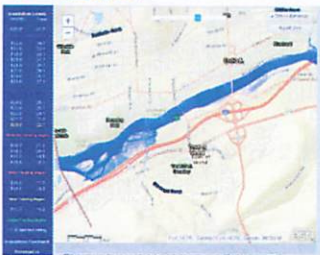


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10: What changes might you recommend for these products?

(as discussed on the audio)

11: What is the biggest barrier you face in using NWS precipitation and flood forecast products?

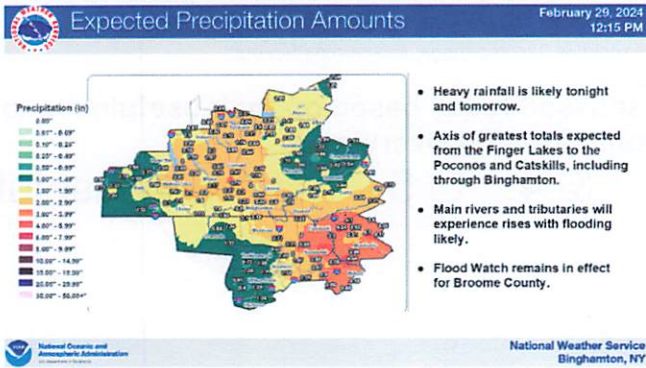
not having it easily accessible by cell phone (esp. important in power outage)

12: Do you prefer text-based or graphical/visual NWS products in trying to understand the potential for extreme precipitation and flooding?

Text-based Graphic-based Combination of both

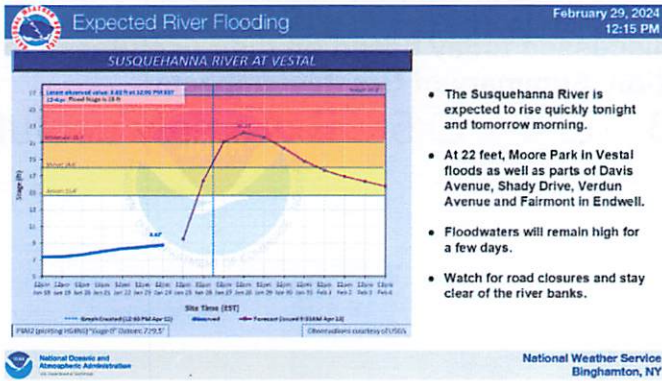
4: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Expected Precipitation Amounts.

Not at all useful 1 2 3 4 5 Extremely useful



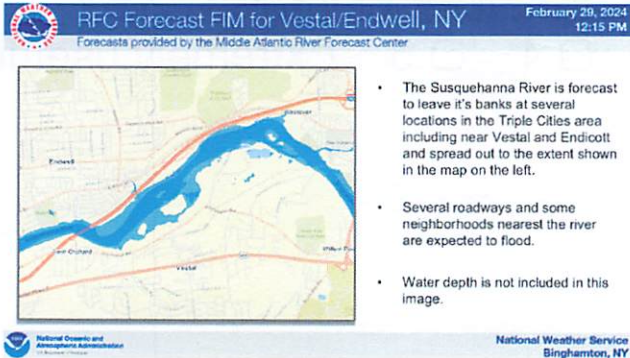
5: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Hydrograph.

Not at all useful 1 2 3 4 5 Extremely useful



6: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Flood Inundation Mapping.

Not at all useful 1 2 3 4 5 Extremely useful




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Not at all useful 1 2 3 4 5 Extremely useful

Situation Overview
Tropical Depression

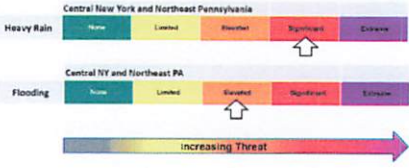


- Heavy rainfall will result in a considerable risk of **flash flooding** (rapid-onset) on Day
- Widespread rainfall totals of 2-4" are expected across central NY and northeast PA with locally higher amounts up to 6" possible.
- Several streams and creeks are expected to experience minor to moderate **river flooding** late Day into the next day.
- River flooding is most likely along the Susquehanna River from the headwaters to Waverly.

2: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Summary of Greatest Impacts.

Not at all useful 1 2 3 4 5 Extremely useful

Summary of Greatest Impacts
February 20, 2024 12:15 PM



Central New York and Northeast Pennsylvania

Heavy Rain: None, Limited, Elevated, **Significant**, Extreme

Central NY and Northeast PA

Flooding: None, Limited, **Elevated**, Significant, Extreme

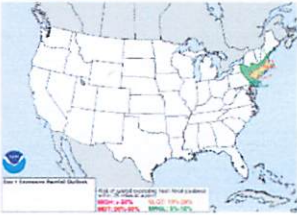
Increasing Threat

National Oceanic and Atmospheric Administration National Weather Service Binghamton, NY

3: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Excessive Rainfall Outlook.

Not at all useful 1 2 3 4 5 Extremely useful

Excessive Rainfall Outlook
Tropical Depression



- Areas highlighted in yellow have the greatest risk for flash (rapid-onset) flooding Tuesday-Wednesday night.
- Urban areas and faster-responding small streams will be the most vulnerable to flash flooding issues.

13: After attending today's session, how likely are you to:

Select one	Very likely	Somewhat likely	Neither likely nor unlikely	Somewhat unlikely	Unlikely
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14: Please rate your agreement with the following statements about the focus group. Please check ONE box for each statement.

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15: Beyond the questions asked today, what else would be important to know about how you gather NWS information about flood risks and your intended actions?

my phone and my scanner is my BFF!!

16: Was anything in the session confusing? If yes, please explain.

Nope.

17: What improvements could be made in the format or content of this session?

making everything easy is the key!!

Thank you for participating!

7: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Flood Inundation Mapping.

Not at all useful 1 2 3 4 5 Extremely useful

NWM FIM between Vestal and Owego, NY
Tropical Depression



- The full extent National Water Model FIM shows flooding along smaller streams and tributaries as well as the Susquehanna River
- These FIM services may be useful for filling in gaps between river gages where RFC FIM and partner FIM (AHPF) does not exist.
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8: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Flood Inundation Mapping.

Not at all useful 1 2 3 4 5 Extremely useful

CatFIM near Vestal and Endicott
Tropical Depression



- Comparing CatFIM
- This map shows the extent of Moderate flooding (red) and Major flooding (purple) levels.
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Partner (AHPF) FIM - Vestal, NY
Tropical Depression



- Partner FIM (aka AHPF FIM) was developed through a multi-agency partnership and has been publicly available for numerous locations along the Susquehanna (including Conklin, Binghamton and Vestal) since 2008.
- Expected inundation when the Vestal gage reaches 22.1 feet is shown at left.
- This mapping is the "gold standard" and has the ability to show inundation by each foot of rise, and also shows expected inundation depth.

10: What changes might you recommend for these products?

make it easy to get to in a ~~emergency~~ emergency

11: What is the biggest barrier you face in using NWS precipitation and flood forecast products?

Sometimes I can't find what I'm looking for.

12: Do you prefer text-based or graphical/visual NWS products in trying to understand the potential for extreme precipitation and flooding?

Text-based Graphic-based Combination of both

4: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Expected Precipitation Amounts.

Not at all useful 1 2 3 4 5 Extremely useful

Expected Precipitation Amounts February 29, 2024 12:15 PM

- Heavy rainfall is likely tonight and tomorrow.
- Axis of greatest totals expected from the Finger Lakes to the Poconos and Catskills, including through Binghamton.
- Main rivers and tributaries will experience rises with flooding likely.
- Flood Watch remains in effect for Broome County.

National Oceanic and Atmospheric Administration National Weather Service Binghamton, NY

5: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Hydrograph.

Not at all useful 1 2 3 4 5 Extremely useful

Expected River Flooding February 29, 2024 12:15 PM

SUSQUEHANNA RIVER AT VESTAL

- The Susquehanna River is expected to rise quickly tonight and tomorrow morning.
- At 22 feet, Moore Park In Vestal floods as well as parts of Davis Avenue, Shady Drive, Verdun Avenue and Fairmont in Endwell.
- Floodwaters will remain high for a few days.
- Watch for road closures and stay clear of the river banks.

National Oceanic and Atmospheric Administration National Weather Service Binghamton, NY

6: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Flood Inundation Mapping.

Not at all useful 1 2 3 4 5 Extremely useful

RFC Forecast FIM for Vestal/Endwell, NY February 29, 2024 12:15 PM

Forecasts provided by the Middle Atlantic River Forecast Center

- The Susquehanna River is forecast to leave its banks at several locations in the Triple Cities area including near Vestal and Endicott and spread out to the extent shown in the map on the left.
- Several roadways and some neighborhoods nearest the river are expected to flood.
- Water depth is not included in this image.

National Oceanic and Atmospheric Administration National Weather Service Binghamton, NY


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Not at all useful 1 2 3 4 5 Extremely useful

Situation Overview
Tropical Depression

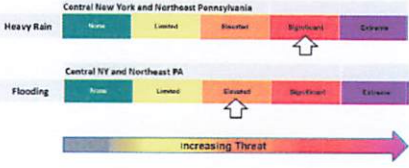


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Not at all useful 1 2 3 4 5 Extremely useful

Summary of Greatest Impacts
February 29, 2024
12:15 PM



Central New York and Northeast Pennsylvania

Heavy Rain: None, Limited, Elevated, Significant, Extreme

Central NY and Northeast PA

Flooding: None, Limited, Elevated, Significant, Extreme


increasing Threat

National Oceanic and Atmospheric Administration | National Weather Service | Binghamton, NY

3: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Excessive Rainfall Outlook.

Not at all useful 1 2 3 4 5 Extremely useful

Excessive Rainfall Outlook
Tropical Depression



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- Urban areas and faster-responding small streams will be the most vulnerable to flash flooding issues.

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15: Beyond the questions asked today, what else would be important to know about how you gather NWS information about flood risks and your intended actions?

16: Was anything in the session confusing? If yes, please explain.

No

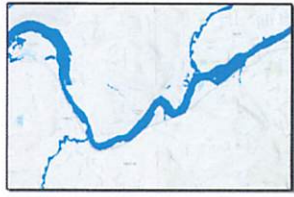
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Thank you for participating!

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Not at all useful 1 2 3 4 5 Extremely useful

NWM FIM between Vestal and Owego, NY



- The full extent National Water Model FIM shows flooding along smaller streams and tributaries as well as the Susquehanna River
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CatFIM near Vestal and Endicott

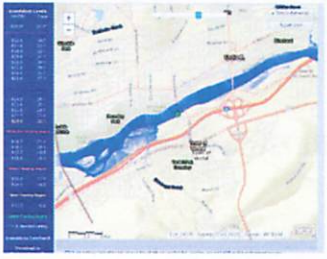


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- This mapping is the "gold standard" and has the ability to show inundation by each foot of rise, and also shows expected inundation depth.

10: What changes might you recommend for these products?

for ever one

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No tranpo

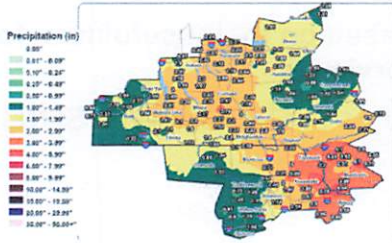
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Text-based Graphic-based Combination of both

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Not at all useful 1 2 3 4 5 Extremely useful

Expected Precipitation Amounts February 29, 2024 12:15 PM

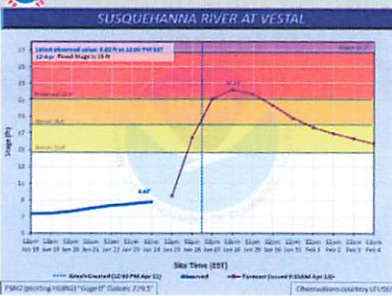


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Not at all useful 1 2 3 4 5 Extremely useful

Expected River Flooding February 29, 2024 12:15 PM



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RFC Forecast FIM for Vestal/Endwell, NY February 29, 2024 12:15 PM



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Not at all useful 1 2 3 4 5 Extremely useful

Situation Overview
Tropical Depression

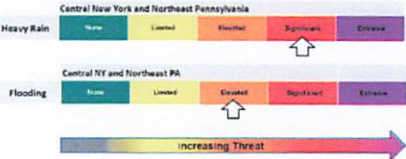


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Not at all useful 1 2 3 4 5 Extremely useful

Summary of Greatest Impacts
February 29, 2024 12:15 PM



Central New York and Northeast Pennsylvania

Heavy Rain: None, Limited, Elevated, Significant, Extreme

Flooding: None, Limited, Elevated, Significant, Extreme


Increasing Threat

National Oceanic and Atmospheric Administration National Weather Service Binghamton, NY

3: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. **Excessive Rainfall Outlook.**

Not at all useful 1 2 3 4 5 Extremely useful

Excessive Rainfall Outlook
Tropical Depression



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15: Beyond the questions asked today, what else would be important to know about how you gather NWS information about flood risks and your intended actions?

_____ *phone*

16: Was anything in the session confusing? If yes, please explain.

_____ *no*

17: What improvements could be made in the format or content of this session?

_____ *did quite well*

Thank you for participating!

7: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Flood Inundation Mapping.

Not at all useful 1 2 3 4 5 Extremely useful

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less busy; simplify

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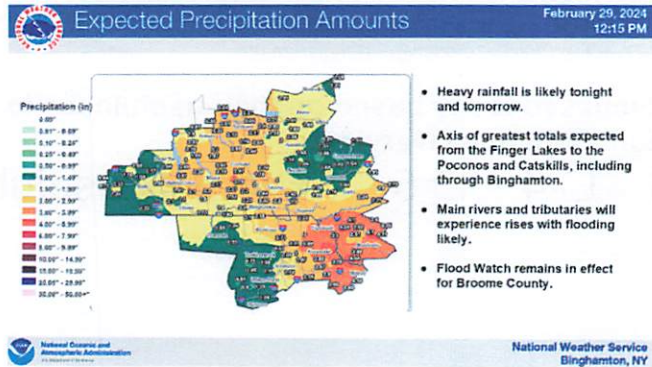
disability makes using phone hard

12: Do you prefer text-based or graphical/visual NWS products in trying to understand the potential for extreme precipitation and flooding?

Text-based Graphic-based Combination of both

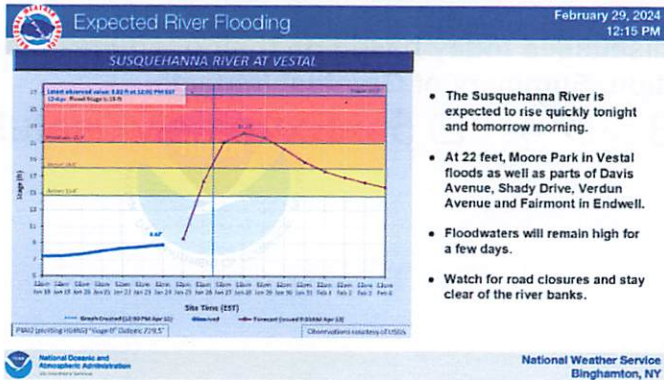
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Not at all useful 1 2 3 4 5 Extremely useful



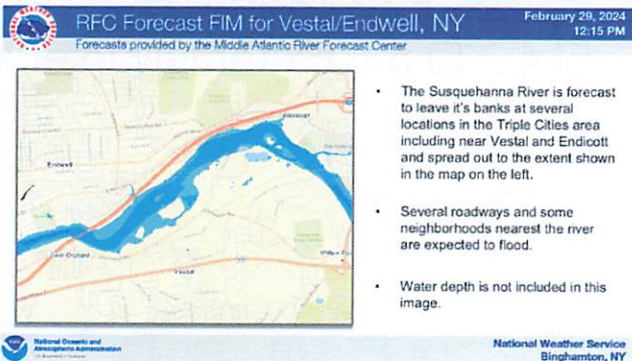
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Not at all useful 1 2 3 4 5 Extremely useful



6: Please rate following the weather products discussed today based on their usefulness to you in assessing your community's flood situation. Flood Inundation Mapping.

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Not at all useful 1 2 3 4 5 Extremely useful

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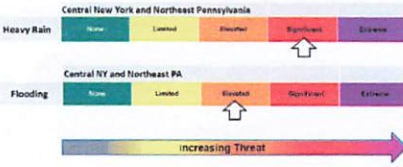


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Not at all useful 1 2 3 4 5 Extremely useful

Summary of Greatest Impacts

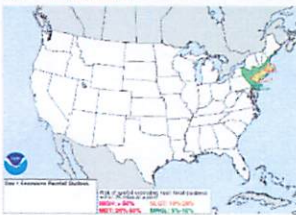


National Oceanic and Atmospheric Administration National Weather Service Binghamton, NY

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Not at all useful 1 2 3 4 5 Extremely useful

Excessive Rainfall Outlook



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